ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಯಲಹಂಕ ವಲಯ

ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ

ಕೊಡಿಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ

NAGAROTHANA WORKS

FOR THE YEAR 2015-16

RELATED TO KODIGEHALLI SUB DIVISION

PHASE-1

ESTIMATED COST:-610.00 LAKHS

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DETAILED ABSTRACT ESTIMATE

Name of the work: Package -2 , ward 7 and 8, works from sub estimate 1 to 17

							Estimate Cost:	61010000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					752.40		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					1953.60		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					1326.60		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					120.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					945.00		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					318.87		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					111.60		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					186.75		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					46.35		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	sqm					74.25		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					90.00		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					145.80		
	Total	sqm					6071.22	63.72	386858.00
2	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25 / Item No. 5.33 / PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					601.92		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					1953.60		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					1061.28		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					120.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					945.00		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					302.92		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					106.02		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					177.41		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					44.03		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	sqm					70.53		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					85.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					138.51		
	Total	sqm					5606.72	78.84	442034.00
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete - 10.0 cms thick (P.No.28, I.No.5.31.1 of PW,P&IWTD SR 2015-16)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					150.48		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					0.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					1260.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					265.32		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					0.00		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					15.95		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					5.58		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					9.34		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					2.32		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	sqm					3.72		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					4.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					7.29		
	Total	sqm					1724.50	794.88	1370771.00
4	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 141 / Item No. 19.1/ PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					18.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					122.10		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					312.20		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					129.70		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					1182.06		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					233.40		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					1382.48		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					2046.18		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	cum					162.10		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	cum					456.30		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	cum					239.65		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	cum					41.20		
	Package 2 Ward 8, sub estimate-13, sl. no. 94						66.00		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	cum					125.38		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					570.80		
	Total	cum					7087.55	83.16	589400.00
5	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 160 / Item No. 21.3 / PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					660.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					187.50		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					600.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					1095.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					3015.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					2506.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					3937.50		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					50.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					963.50		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					491.00		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					803.40		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	sqm					1287.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					302.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					6635.00		
	Total	sqm					22533.40	88.56	1995558.00
6	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, Page No. 157 / Item No. 20.18 / PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					99.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					28.13		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					90.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					164.25		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					590.63		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					452.25		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					844.88		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					927.15		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	cum					10.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	cum					192.70		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	cum					98.20		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	cum					241.02		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	cum					386.10		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	cum					60.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					205.50		
	Total	cum					4390.30	1713.96	7524799.00
7	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 P. 160 / I. 21.1 PWDSR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					660.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					187.50		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					600.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					1095.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					2625.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					3015.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					3651.60		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					4868.50		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					50.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					963.50		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					491.00		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					803.40		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	Sqm					1287.00		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					302.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					1370.00		
	Total	sqm					21970.00	12.96	284731.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	KSRRB M500-6: Providing and applying primer coat for surfaces of medium porosity like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, Page No. 160 / Item No. 21.5 / PWD SR 2015-16									
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					660.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					187.50		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					600.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					1095.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					2625.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					3015.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					3651.60		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					4868.50		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					50.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					963.50		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					491.00		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					803.40		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	Sqm					1287.00		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					302.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					1370.00		
	Total	sqm					21970.00	70.20	1542294.00
9	KSRRB 500-1.2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. (P. 160 / I. 21.2 PWDSR 2015-16)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					1278.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					1410.00		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					3840.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					742.50		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					720.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					0.00		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					3657.50		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					2170.00		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					2614.50		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					0.00		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	Sqm					0.00		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					1237.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					0.00		
	Total	sqm					17670.00	3.24	57251.00
10	KSRRB M500-7: Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. (Page No. 160 / Item No. 21.7 / PWD SR 2015-16)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					1278.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					1410.00		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					3840.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					742.50		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					720.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					0.00		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	sqm					3657.50		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	sqm					2170.00		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	sqm					2614.50		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	sqm					0.00		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	sqm					0.00		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	sqm					1237.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					0.00		
	Total	sqm					17670.00	15.12	267170.00
11	KSRRB M500-18: Providing and laying bituminous macadum on prepared surface with crushed coarse ggregates as per design mix formula for base / binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. using 100-120 TPH capacity H.M.P with sensor paver grading II (50 to 75mm) with 3.3% VG-30 bitumen. (Item No. 21.11.2, Page No. 161, PWD SR 2015-16)								
	Package 2 Ward 8, sub estimate-9, sl. no. 89	cum					0.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	cum					0.00		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	cum					0.00		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	cum					40.17		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	Cum					64.35		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	cum					0.00		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					0.00		
	Total	cum					104.52	6864.48	717475.00
12	KSRRB M500-18: Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 509 complete in all respects as per specifications. using 40-60 TPH capacity H.M.P with mechanical paver Gr-II (30 to 45mm) with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					56.34		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					50.85		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					133.20		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					73.50		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					78.75		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					149.40		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					146.06		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					185.43		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	cum					156.54		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	cum					94.18		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	cum					85.10		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	cum					32.14		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	cum					51.48		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	cum					64.50		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					0.00		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					58.05		
	Total	cum					1415.52	11618.64	16446429.00
13	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					18.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					119.99		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					272.39		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					129.70		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					1182.06		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					212.43		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					1175.11		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					1795.41		
	Package 2 Ward 8, sub estimate-9, sl. no. 89	cum					154.00		
	Package 2 Ward 8, sub estimate-10, sl. no. 90	cum					433.49		
	Package 2 Ward 8, sub estimate-11, sl. no. 92	cum					227.67		
	Package 2 Ward 8, sub estimate-12, sl. no. 93	cum					39.14		
	Package 2 Ward 8, sub estimate-13, sl. no. 94	cum					62.70		
	Package 2 Ward 8, sub estimate-14, sl. no. 95	cum					119.11		
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					59.25		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.00		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					542.26		
	Total	cum					6542.69	78.97	516674.00
14	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, No. 5/ Item No. 2.1/ PWD SR 2015-16								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					59.25		
	Total	cum					59.25	159.84	9471.00
15	Providing and laying heavy duty cobble stones 75 mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of snad underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (PWDSR 2015-16, P. 101, I. 14.7)								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					259.80		
	Total	sqm					259.80	1014.12	263468.00
16	KSRB- 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (Item No. 15.74, P. 120/ PWD SR 2015-16)								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					261.00		
	Total	sqm					261.00	85.32	22269.00

Sl. No	Description	Unit	No.	L	B	D			
17	Providing Children Play Two Seater Standard SWing Equipment: This sWing' consist of 2 Nos. seats of solid metal seats powder coated of Size-500mmx 250mm x 16 SWG supported by MS chains of Length 1.8mtrs, each seat is suspended by 1 line of chain. The chains are supported by circular housingswith bearing from which the chain in suspended. The beam is of 50mm MS tAt class pipe. Size of MS • chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and No. 1 24800.00 25300.00 28400.00 24000.00 -263.00.00 *·Lowestheight 2.00mtrs. The 2 Nos of cost iron-heads. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of superset paint over a coat of protective Zinc chromate yellow oxide including fiXing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift. loading. unloading and any other incidental charges and as per the drawing and specification and directionof the Engineerin chargeof the work								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	No.					1.00		
	Total	No.					1.00	26400.00	26400.00
18	Providing Children Play Merry-Go-Round Equipment: Made of MS. 'A' class pipes. Main pillars are in 100mm, fitted with shaft and two bearings and other cross members are in 25 & 20mm MA 'A' Ciass pipes, bottom ring is made out of 25mm 0 ring size is 1.20 mtrs Dia, fitted with four seats are in mental sats of 250 x 200 x 18SGE, handles are made out of 20mm NB pipes and other supports are in 25mm MS 'N class pipes. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the EnQlneer In enarce of the work								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	No.					2.00		
	Total	No.					2.00	28000.00	56000.00
19	Providing Children Play Two Seater Swing Duck Equipment: This swing consist of 2 Nos. FRP Ducks supported by MS chains of Length 1.05mtrs, each duck Is suspended by 3 lines of chains. The chains are supported by circular housings with bearing from which the chain in suspended. The main beam is of 42mm MS 'A' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and height 1.95mtrs. Four footing are in 42mm pipes. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat 0 protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Enalneer in charae of the work.								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	No.					1.00		
	Total	No.					1.00	30800.00	30800.00
20	Providing Sitting chairs made of RCC including steel reinforcement as per the directions of the Engineer-in-charge of the work								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	No.					10.00		
	Total	No.					10.00	6600	66000.00
21	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregares @ 0.465 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.2/ PWD SR 2015-16								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	cum					0.94		
	Total	cum					0.94	5236.92	4923.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
22	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, No. 12/ Item No. 4.5/ PWD SR 2015-16								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	Cum					1.26		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					526.50		
	Total	cum					527.76	5991.84	3162253.00
23	Supplying and fixing MS rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 No. of 16mm dia MS hold fast rods each of length 25 cm, including ocst of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all leads and lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (PWDSR 2015-16, P. 255, I. 37.2)								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	m					126.00		
	Total	m					126.00	991.44	124921.00
24	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials, wastage in cutting and scaffolding whereever necesssary with all lead and lift as directed by the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 255, I. 37.4)								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	m					522.00		
	Total	m					522.00	338.04	176457.00
25	Providing chainlink fencking 50mm size of 8 guage properly stretched between existing rectangular poles andfixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts as per the direcdtions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 255, I. 37.3)								
	Package 2 Ward 8, sub estimate-15, sl. no. 96	sqm					261.00		
	Total	sqm					261.00	697.68	182094.00
26	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making laster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. (PWDSR 2015-16, P. 51, I. 9.11)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					0.244		
	Total	cum					0.244	108792.04	26545.00
27	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) (PWDSR 2015-16, P. 52, I. 9.29)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					4.09		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	sqm					4.09	3952.74	16167.00
28	Providing and fixing in position fully panelled Honne wood fully panelled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					6.24		
	Total	sqm					6.24	5051.96	31524.00
29	KSRB15-17 : Painting of wood surface KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P-No: 117, Item No: 15.55)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					14.43		
	Total	sqm					14.43	32.86	474.00
30	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P-No: 118, Item No: 15.60.1)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					14.43		
	Total	sqm					14.43	85.86	1239.00
31	Dismantling weather proof course and removing and conveying the debris to a distance upto 200m								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					63.78		
	Total	sqm					63.78	466.40	29747.00
32	Providing and laying intergral cement based water proofing treatemetn including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. A. Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound over the RCC slab after cleaning the surface brefore treatment. B. Laying cment concrete usign broken brick bats 25mm to 200mm size with 50% of cm 1:5 admixed with water proofing comund. C. proper curing. D. Finishing with 20mm thick joint less cm of mix 1:4, e. whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (PWDSR 2015-16, P. 66, I. 10.2)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	sqm					63.78		
	Total	sqm					63.78	909.48	58007.00
33	Providing and fixing on wall surface 2.5kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications. (PWDSR 2015-16, P. 47, I. 8.17)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	m					8.40		
	Total	m					8.40	505.62	4247.00
34	Providing fixtures								
	for all floors								
	a) Door lock (I. 391)	No					2.00	401.00	802.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	b) Handles power coated 150mm (I. 393)	No					4.00	56.00	224.00
	c) Hinges 5" heavy duty (I. 1395)	No					16.00	37.00	592.00
	d) Tower bolt 300 mm long (I. 412)	No					4.00	116.00	464.00
35	KSRB 4.9.1: Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.45 / PWD SR 2015-16								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Qtl					11.42		
	Total	Qtl					11.42	6368.48	72734.00
36	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2015-16								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					74.70		
	Total	Sqm					74.70	301.04	22488.00
37	Dismantling plastering and removing the debris with a lead upto 200m including cost of materials, labour, HOM of machineries complete as per specifications								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					346.90		
	Total	Sqm					346.90	23.32	8090.00
38	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					55.80		
	Total	Sqm					55.80	193.98	10824.00
39	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (Inside wall)								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					103.67		
	Total	Sqm					103.67	235.32	24394.00
40	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					159.47		
	Total	Sqm					159.47	25.44	4057.00
41	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					178.68		
	Total	Sqm					178.68	199.28	35608.00
42	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					159.47		
	Total	Sqm					159.47	69.96	11156.00
43	providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications with Primer								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					178.68		
	Total	Sqm					178.68	83.74	14963.00
44	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					178.68		
	Total	Sqm					178.68	83.74	14963.00
45	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					3.52		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					7.04		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					2.76		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					24.84		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					14.08		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					278.70		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					577.47		
	Package 2 Ward 8, sub estimate-16, sl. no. 98	cum					12.69		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					5.38		
	Total	cum					926.47	6198.12	5742366.00
46	Providing and fixing of wall cladding using 20mm thick gang saw water cut granite in CM 1:3 proportion cut to required shape patron with paper joint finished with cement mortar usingl white cement and colour pigments to match the xcolour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints includingl curing etc., complete								
	Package 2 Ward 8, sub estimate-16, sl. no. 98	Sqm					8.75		
	Total	Sqm					8.75	2352.14	20581.00
47	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	Cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	Cum					2.43		
	Package 2 Ward 7, sub estimate-3, sl. No.69	Cum					4.86		
	Package 2 Ward 7, sub estimate-4, sl. No.70	Cum					2.16		
	Package 2 Ward 7, sub estimate-5, sl. No.80	Cum					19.44		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 7, sub estimate-6, sl. No.82	Cum					9.72		
	Package 2 Ward 7, sub estimate-7, sl. No.84	Cum					113.22		
	Package 2 Ward 7, sub estimate-8, sl. No.85	Cum					220.86		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					797.55		
	Total	cum					1170.24	5070.60	5933819.00
48	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lif								
	Package 2 Ward 8, sub estimate-17, sl. no. 99	Sqm					5265.00		
	Total	Sqm					5265.00	97.20	511758.00
49	Providing groove cutting for cement pavement wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications								
	Package 2 Ward 8, sub estimate-17, sl. no. 99	Rm					351.00		
	Total	Rm					351.00	124.20	43594.00
50	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. (Approved data rate enclosed)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					410.40		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					0.00		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					0.00		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					554.58		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					945.00		
	Total	sqm					1909.98	1600.00	3055968.00
51	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications.- Rubble stone masonry in cement mortar (PWDSR 2015-16, I. 18.27, P. 137)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					7.29		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					12.15		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					24.30		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					97.20		
	Total	cum					140.94	250.56	35314.00

No		Unit	No.	L	B	D	Qty	Rate	Amount
52	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications. - RCC grade M20 and above (PWDSR 2015-16, I. 18.19, P. 137)								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					16.20		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					7.02		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					14.04		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					56.16		
	Total	cum					93.42	1042.20	97362.00
53	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 N/sqmm with CM 1:4 masonry with solid concrete blocks of size 40x20x20 cm conforming to IS 2185 / 1965 in superstructure including cost of all materilas, labour charges, scaffolding, curing complete as per specifications. (PWDSR 2015-16, I. 5.27, P. 25)								
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					158.40		
	Total	sqm					158.40	1018.44	161321.00
54	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23 / Item No. 5.12 / PWD SR 2015-16								
A	**With Available stones**								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					5.10		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					8.50		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					0.00		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					0.00		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					17.01		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					58.32		
	Total	cum					88.93	3852.36	342590.00
B	**With New stones**								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					2.19		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					6.08		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					6.48		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					7.29		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					12.15		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					9.72		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					14.04		
	Total	cum					57.95	5159.16	298973.00
55	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. Page No. 112 / Item No. 15.4 / PWD SR 2015-16								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					32.40		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					64.80		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					28.80		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					259.20		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					129.60		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					226.80		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					23.40		
	Total	sqm					765.00	97.20	74358.00
56	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12/ Item No. 4.6/ PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	cum					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	cum					15.12		
	Package 2 Ward 7, sub estimate-3, sl. No.69	cum					3.24		
	Package 2 Ward 7, sub estimate-4, sl. No.70	cum					0.90		
	Package 2 Ward 7, sub estimate-5, sl. No.80	cum					12.96		
	Package 2 Ward 7, sub estimate-6, sl. No.82	cum					6.48		
	Package 2 Ward 7, sub estimate-7, sl. No.84	cum					0.00		
	Package 2 Ward 7, sub estimate-8, sl. No.85	cum					13.23		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	cum					6.24		
	Total	cum					58.17	5490.72	319395.00
57	KSRB 4.9.1: Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.45 / PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	Qtl					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	Qtl					3.17		
	Package 2 Ward 7, sub estimate-3, sl. No.69	Qtl					6.33		
	Package 2 Ward 7, sub estimate-4, sl. No.70	Qtl					2.48		
	Package 2 Ward 7, sub estimate-5, sl. No.80	Qtl					22.36		
	Package 2 Ward 7, sub estimate-6, sl. No.82	Qtl					12.67		
	Package 2 Ward 7, sub estimate-7, sl. No.84	Qtl					135.37		
	Package 2 Ward 7, sub estimate-8, sl. No.85	Qtl					281.85		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	Qtl					4.84		
	Total	Qtl					469.07	6488.64	3043649.00
58	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2015-16								
	Package 2 Ward 7, sub estimate-1, sl. No. 61	sqm					0.00		
	Package 2 Ward 7, sub estimate-2, sl. No. 62	sqm					10.32		
	Package 2 Ward 7, sub estimate-3, sl. No.69	sqm					20.64		
	Package 2 Ward 7, sub estimate-4, sl. No.70	sqm					9.17		
	Package 2 Ward 7, sub estimate-5, sl. No.80	sqm					81.84		
	Package 2 Ward 7, sub estimate-6, sl. No.82	sqm					41.29		
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					2275.80		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 7, sub estimate-8, sl. No.85	sqm					4256.10		
	Package 2 Ward 8, sub estimate-17, sl. no. 99	sqm					30.87		
	Total	sqm					6726.04	306.72	2063010.00
59	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete								
	Package 2 Ward 7, sub estimate-7, sl. No.84	No.					1592.00		
	Total	No.					1592.00	373.68	594899.00
60	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications.								
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					1432.00		
	Total	sqm					1432.00	27.00	38664.00
61	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications.								
	Package 2 Ward 7, sub estimate-7, sl. No.84	sqm					1432.00		
	Total	sqm					1432.00	68.04	97433.00
62	Sub Total								**59130863.00**
63	For Third Part QC inspection Charges @ 1% of Estimate Cost								
	Package 2 Ward 7, sub estimate-1, sl. No. 61								9640.00
	Package 2 Ward 7, sub estimate-2, sl. No. 62								19415.00
	Package 2 Ward 7, sub estimate-3, sl. No.69								24156.00
	Package 2 Ward 7, sub estimate-4, sl. No.70								14463.00
	Package 2 Ward 7, sub estimate-5, sl. No.80								38954.00
	Package 2 Ward 7, sub estimate-6, sl. No.82								38796.00
	Package 2 Ward 7, sub estimate-7, sl. No.84								93918.00
	Package 2 Ward 7, sub estimate-8, sl. No.85								146586.00
	Package 2 Ward 8, sub estimate-9, sl. no. 89								19942.00
	Package 2 Ward 8, sub estimate-10, sl. no. 90								17219.00
	Package 2 Ward 8, sub estimate-11, sl. no. 92								13606.00
	Package 2 Ward 8, sub estimate-12, sl. no. 93								12150.00
	Package 2 Ward 8, sub estimate-13, sl. no. 94								19463.00
	Package 2 Ward 8, sub estimate-14, sl. no. 95								9636.00
	Package 2 Ward 8, sub estimate-15, sl. no. 96								9750.00
	Package 2 Ward 8, sub estimate-16, sl. no. 98								4885.00
	Package 2 Ward 8, sub estimate-17, sl. no. 99								97818.00
	Sub-total								**590397.00**
64	For PMC charges @ 1% of Estimate cost								
	Package 2 Ward 7, sub estimate-1, sl. No. 61								9640.00
	Package 2 Ward 7, sub estimate-2, sl. No. 62								19415.00
	Package 2 Ward 7, sub estimate-3, sl. No.69								24156.00
	Package 2 Ward 7, sub estimate-4, sl. No.70								14463.00
	Package 2 Ward 7, sub estimate-5, sl. No.80								38954.00
	Package 2 Ward 7, sub estimate-6, sl. No.82								38796.00
	Package 2 Ward 7, sub estimate-7, sl. No.84								93918.00
	Package 2 Ward 7, sub estimate-8, sl. No.85								146586.00
	Package 2 Ward 8, sub estimate-9, sl. no. 89								19942.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Package 2 Ward 8, sub estimate-10, sl. no. 90								17219.00
	Package 2 Ward 8, sub estimate-11, sl. no. 92								13606.00
	Package 2 Ward 8, sub estimate-12, sl. no. 93								12150.00
	Package 2 Ward 8, sub estimate-13, sl. no. 94								19463.00
	Package 2 Ward 8, sub estimate-14, sl. no. 95								9636.00
	Package 2 Ward 8, sub estimate-15, sl. no. 96								9750.00
	Package 2 Ward 8, sub estimate-16, sl. no. 98								4885.00
	Package 2 Ward 8, sub estimate-17, sl. no. 99								97818.00
	Sub-total								**590397.00**
65	Miscellaneous and other Charges								
	Package 2 Ward 7, sub estimate-1, sl. No. 61								16726.00
	Package 2 Ward 7, sub estimate-2, sl. No. 62								19622.00
	Package 2 Ward 7, sub estimate-3, sl. No.69								36056.00
	Package 2 Ward 7, sub estimate-4, sl. No.70								24730.00
	Package 2 Ward 7, sub estimate-5, sl. No.80								26666.00
	Package 2 Ward 7, sub estimate-6, sl. No.82								42787.00
	Package 2 Ward 7, sub estimate-7, sl. No.84								420324.00
	Package 2 Ward 7, sub estimate-8, sl. No.85								48193.00
	Package 2 Ward 8, sub estimate-9, sl. no. 89								35926.00
	Package 2 Ward 8, sub estimate-10, sl. no. 90								23685.00
	Package 2 Ward 8, sub estimate-11, sl. no. 92								22173.00
	Package 2 Ward 8, sub estimate-12, sl. no. 93								10733.00
	Package 2 Ward 8, sub estimate-13, sl. no. 94								14764.00
	Package 2 Ward 8, sub estimate-14, sl. no. 95								17080.00
	Package 2 Ward 8, sub estimate-15, sl. no. 96								5468.00
	Package 2 Ward 8, sub estimate-16, sl. no. 98								1686.00
	Package 2 Ward 8, sub estimate-17, sl. no. 99								22522.00
	Sub-total								**698343.00**
								Total	**61010000.00**

(Rs. Six Hundred Ten Lakhs Ten Thousand Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16 and Approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward 8, Kodigehalli
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

Assistant Executive Engineer Kodigehalli Sub Division Yelahanka Zone, B.B.M.P. Bangalore.

Executive Engineer Byatarayanapura Division Yelahanka Zone, B.B.M.P. Bangalore - 560 092

Technical Sanction
Accorded For 610.00 Lakhs Rs
Head of A/C P.3106
CER NO 111B **Dt:** 03/03/16

TA CE (YNK)